20H0HD' 78501001

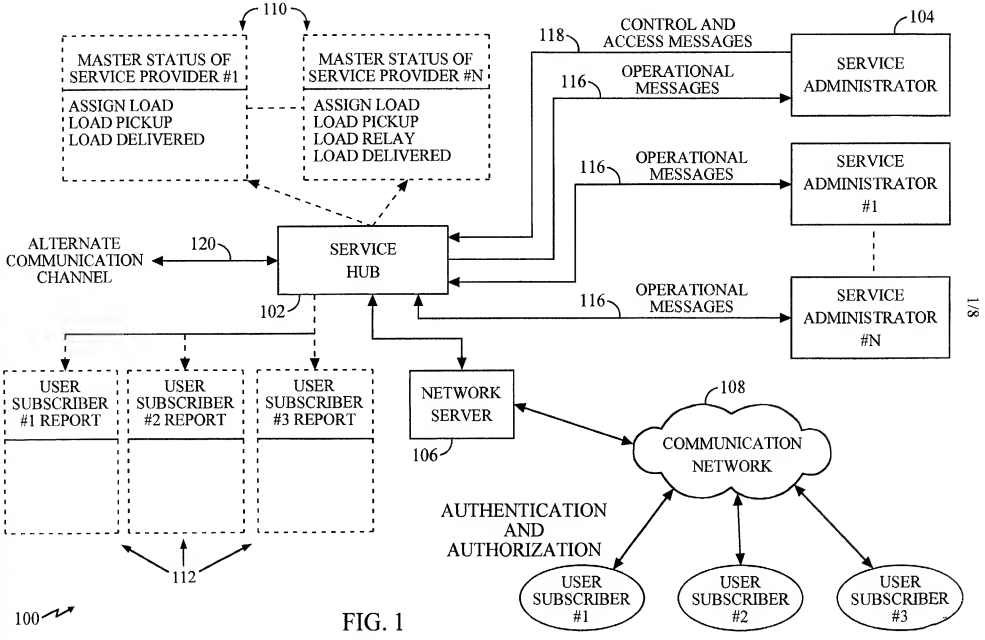

FIG. 1

20040702/0850100T

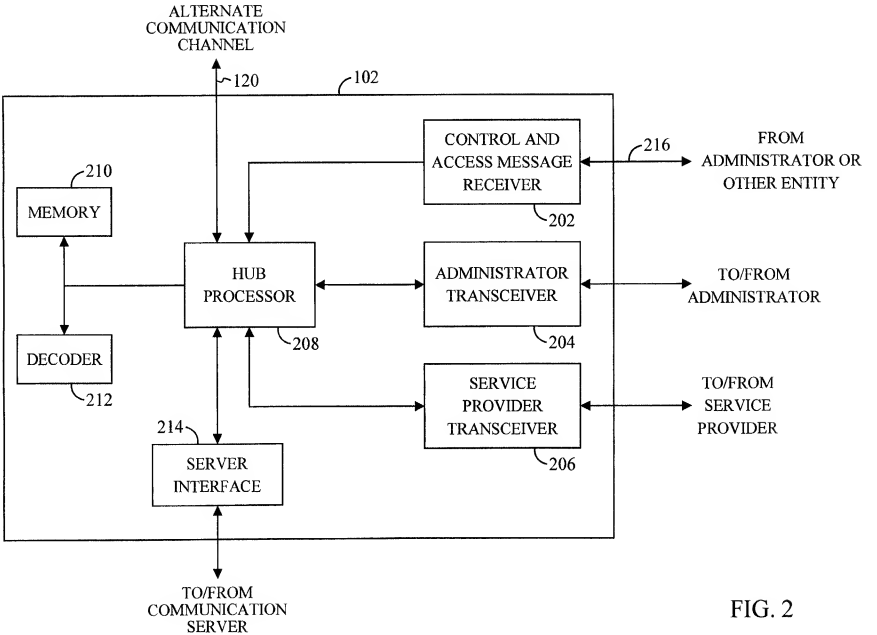

FIG. 2

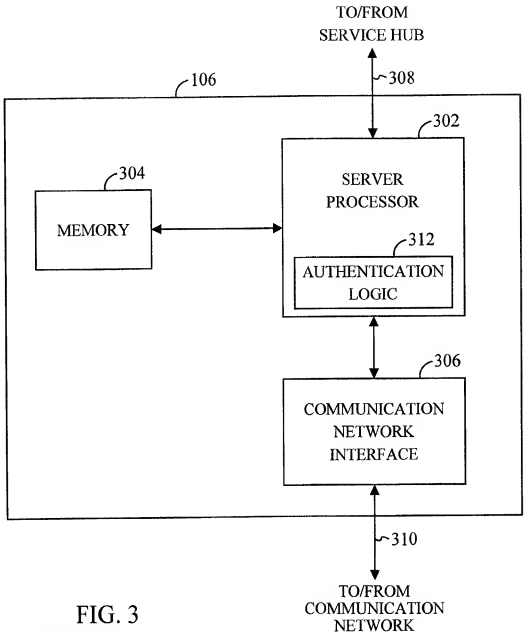
TO/FROM
SERVICE HUB
308
106
302
304
SERVER
PROCESSOR
MEMORY
312
AUTHENTICATION
LOGIC
306
COMMUNICATION
NETWORK
INTERFACE
310
TO/FROM
COMMUNICATION
NETWORK

FIG. 3

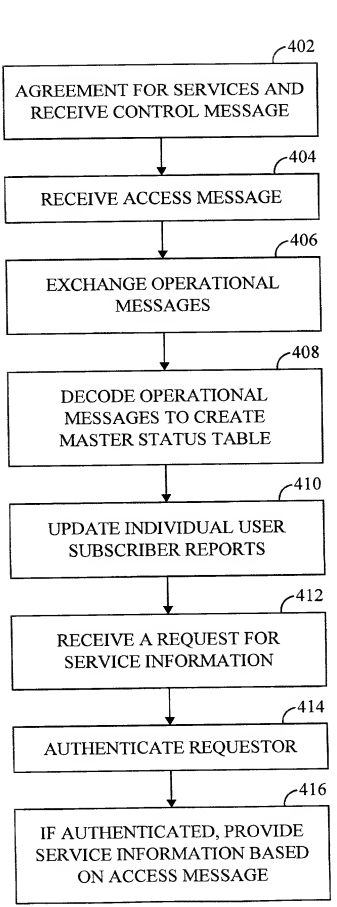

FIG. 4

20040187.0402 - 10/055,787

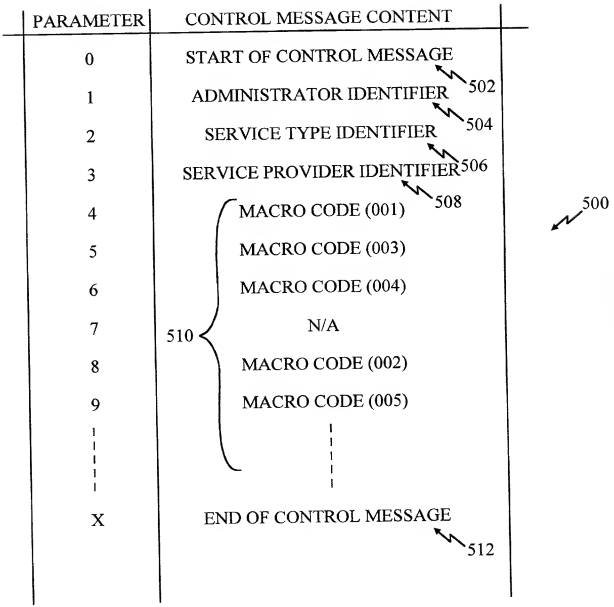
PARAMETER
CONTROL MESSAGE CONTENT
0
START OF CONTROL MESSAGE
1
ADMINISTRATOR IDENTIFIER
502
2
SERVICE TYPE IDENTIFIER
504
3
SERVICE PROVIDER IDENTIFIER
506
4
MACRO CODE (001)
508
500
5
MACRO CODE (003)
6
MACRO CODE (004)
7
N/A
510
8
MACRO CODE (002)
9
MACRO CODE (005)
X
END OF CONTROL MESSAGE
512

FIG. 5

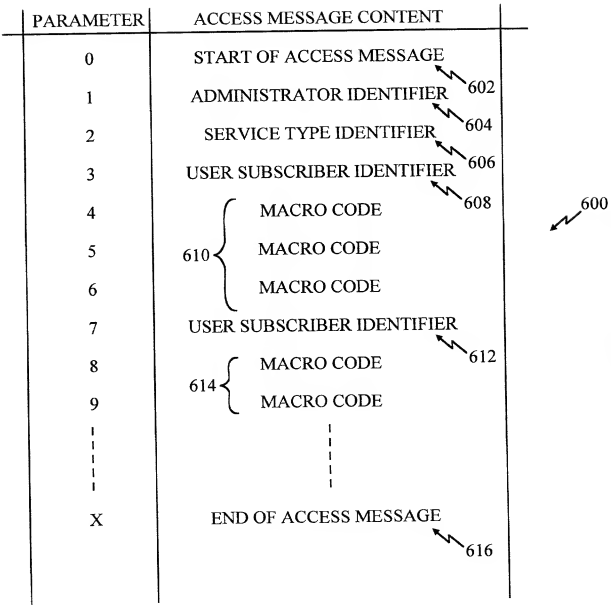
PARAMETER
ACCESS MESSAGE CONTENT
0
START OF ACCESS MESSAGE
602
1
ADMINISTRATOR IDENTIFIER
604
2
SERVICE TYPE IDENTIFIER
606
3
USER SUBSCRIBER IDENTIFIER
608
4
MACRO CODE
600
610
5
MACRO CODE
6
MACRO CODE
7
USER SUBSCRIBER IDENTIFIER
612
8
MACRO CODE
614
9
MACRO CODE
X
END OF ACCESS MESSAGE
616

FIG. 6

20040407.085010

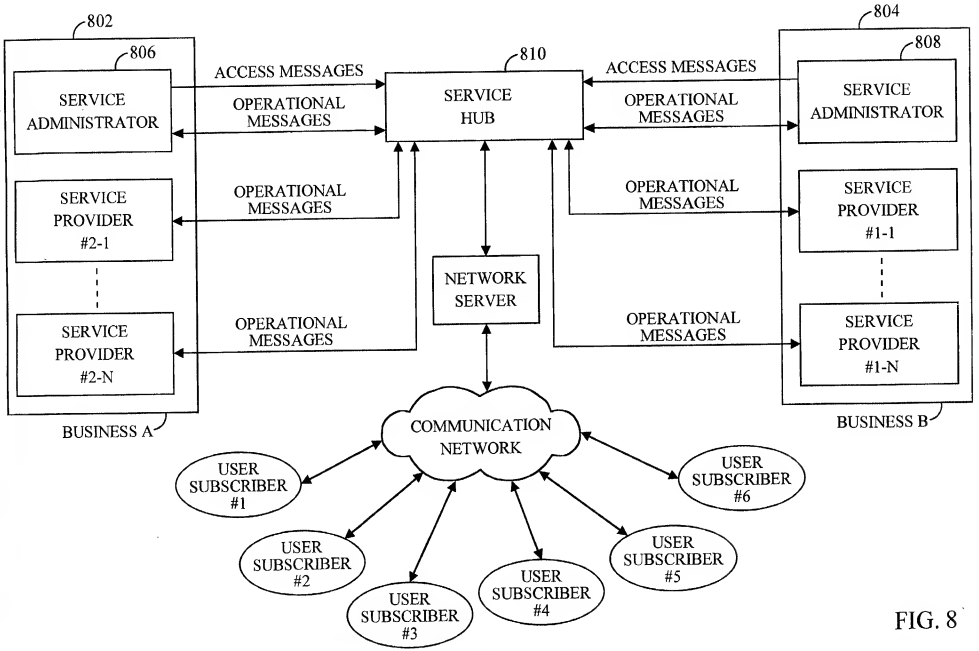

FIG. 8

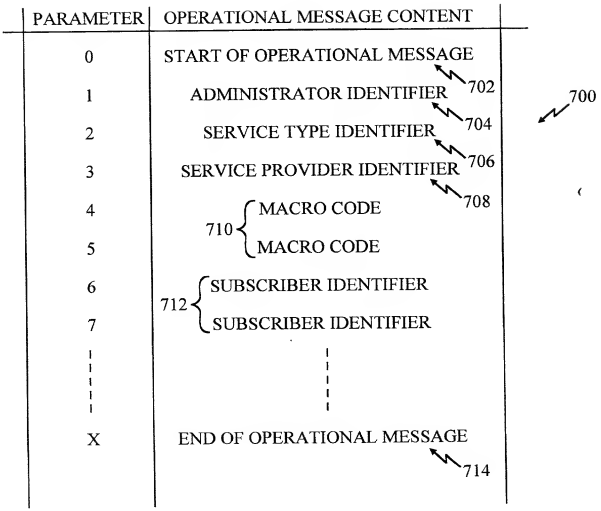
PARAMETER
OPERATIONAL MESSAGE CONTENT
0
START OF OPERATIONAL MESSAGE
1
ADMINISTRATOR IDENTIFIER
702
700
2
SERVICE TYPE IDENTIFIER
704
3
SERVICE PROVIDER IDENTIFIER
706
708
4
MACRO CODE
710
5
MACRO CODE
6
SUBSCRIBER IDENTIFIER
712
7
SUBSCRIBER IDENTIFIER
X
END OF OPERATIONAL MESSAGE
714

FIG. 7